

PROJECT DESCRIPTION

1. GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 (BALTIMORE NATIONAL PIKE) AND INGLESIDE AVENUE. THIS PROJECT IS LOCATED IN BALTIMORE COUNTY, MARYLAND. US 40 (BALTIMORE NATIONAL PIKE) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

1. THE INTERSECTION OPERATION WILL REMAIN THE SAME.
2. THE INTERSECTION WILL OPERATE AS PART OF AN INTERCONNECT SYSTEM BETWEEN INGLESIDE AVE AND COLERIDE RD USING 12 PAIR COMMUNICATION CABLE. THE SYSTEM CABINET IS LOCATED AT JOHNNYCAKE RD.

III. SPECIAL NOTES

UPON COMPLETION OF THIS PROJECT THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT 410-787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND TELEPHONE NUMBER.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS:

- US 40 (BALTIMORE NATIONAL PIKE) AND INGLESIDE AVENUE
1) US 40 (BALTIMORE NATIONAL PIKE) AND INGLESIDE AVENUE- WEST LEG STREET AT 90 DEGREES
WAIT: "WAIT TO CROSS BALTIMORE NATIONAL PIKE AT INGLESIDE, WAIT"*
WALK: RAPID TICK
2) INGLESIDE AVENUE AND US 40 (BALTIMORE NATIONAL PIKE) - NORTH LEG STREET AT 90 DEGREES
WAIT: "WAIT TO CROSS INGLESIDE AT BALTIMORE NATIONAL PIKE, WAIT"*
WALK: RAPID TICK
3) INGLESIDE AVENUE AND US 40 (BALTIMORE NATIONAL PIKE) - SOUTH LEG STREET AT 90 DEGREES
WAIT: "WAIT TO CROSS INGLESIDE AT BALTIMORE NATIONAL PIKE, WAIT"*
WALK: RAPID TICK

* MESSAGE USED IF DISTANCE FROM THE NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10 FT
** MESSAGE USED IF CROSSING WALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC
NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

PROJECT CONTACTS

THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER, TRAFFIC
410-229-2381

MR. DONALD SCHAFER
ASSISTANT DISTRICT ENGINEER, CONSTRUCTION
410-229-2421

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER, MAINTENANCE
410-229-2361

MR. ROBERT SNYDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7631

MR. MICHAEL PASQUARIELLO
DISTRICT UTILITY ENGINEER
410-229-2341

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. EDWARD RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS
410-787-7652

THE POWER COMPANY REPRESENTATIVE IS:

BALTIMORE GAS & ELECTRIC
1068 N. FRONT STREET, ROOM 501, PO BOX 1475
BALTIMORE, MD 21203-1475
410-637-8713

B. EQUIPMENT TO BE FURNISHED BY THE CONTRACTOR

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
120500	MAINTENANCE OF TRAFFIC	LS	1
203030	TEST PIT EXCAVATION	cy	3
585620	12 IN WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK)	LF	1467
585624	24 IN WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE)	LF	192
800000	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS	EA	6
800000	AUDIBLE/TACTILE PEDESTRIAN 2-WIRE CENTRAL CONTROL UNIT	EA	1
800000	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT	LS	1
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	4.2
801106	WOOD SIGN SUPPORTS 4"x6"	LF	187
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	154
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	140
805160	1 IN LIQUID-TIGHT FLEX NON-METALLIC CONDUIT	LF	25
810555	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE	EA	5
813014	INSTALL GROUND MOUNTED SIGN	SF	140.3
813015	INSTALL OVERHEAD SIGN	SF	31.6
818004	10' BREAKAWAY PEDESTAL POLE	EA	6
860292	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	6
861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)	LF	1129.7
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	380

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

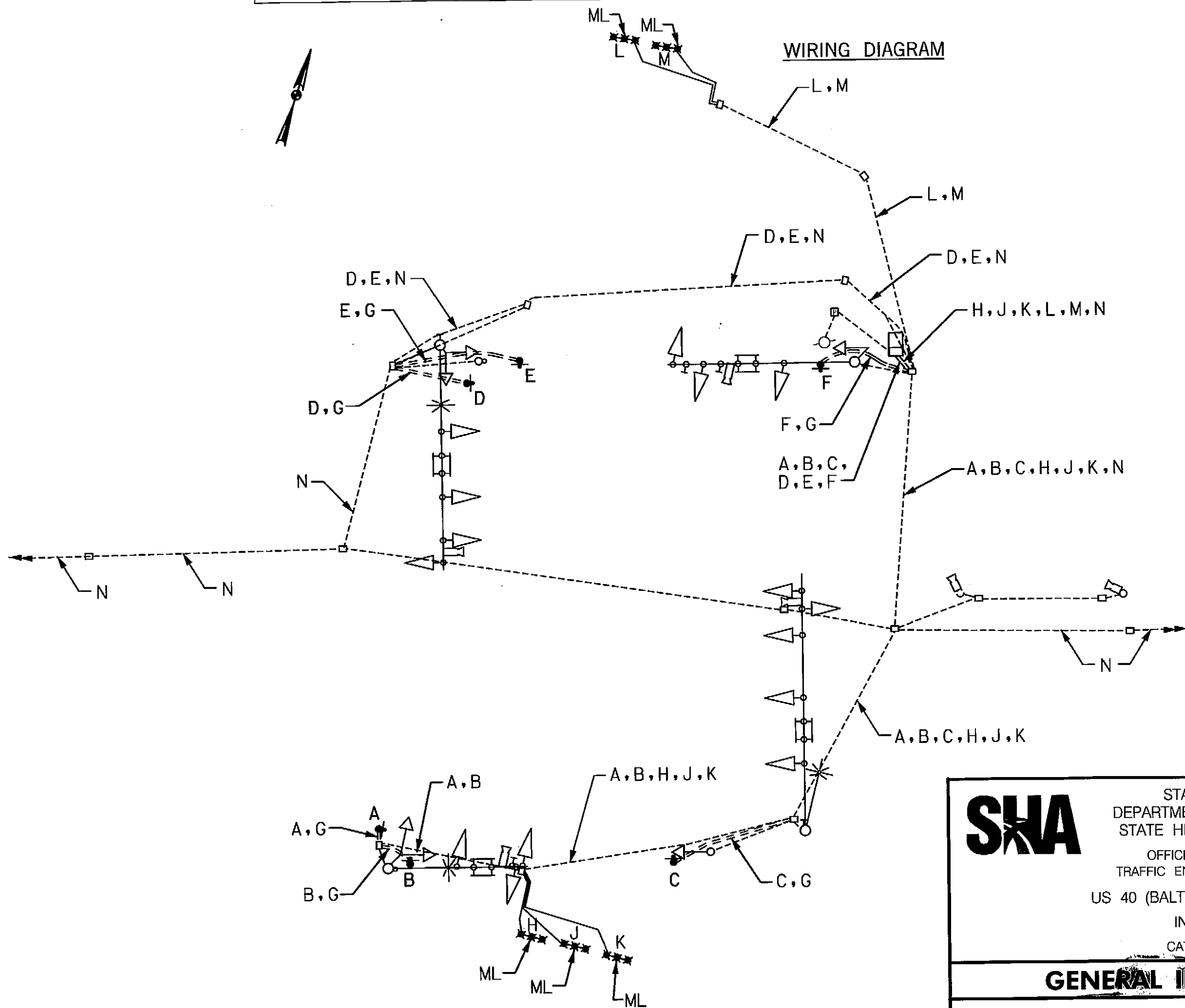
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
973023	SHEET ALUMINUM GROUND MOUNTED SIGNS: - 7 EACH S1-1(36" x 36"), W16-7PL (30" x 18") - 4 EACH S1-1(36" x 36"), W16-7PR (30" x 18")	SF	140.3
	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGNS: - 1 EACH M1-5(6) (36" x 72") - 1 EACH M1-5(6) (24" x 48") - 6 EACH R10-3(1) (9"x15") PUSHBUTTON SIGN	SF	31.6

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION. 7491 CONNELLEY DRIVE, HANOVER, MD 21076

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
PHASE 1 AND 5	←G-←G-←G-	←G-←G-←G-	←G-	R	R	←G-←G-←G-	←G-←G-←G-	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
1 AND 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																				
PHASE 1 AND 6	←G-←G-←G-	←G-←G-←G-	←G-	G	G	←R-←R-←R-	←R-←R-←R-	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
1 AND 6 CHANGE	←Y-←Y-←Y-	←Y-←Y-←Y-	←Y-	Y	Y	←R-←R-←R-	←R-←R-←R-	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
PHASE 2 AND 5	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←G-←G-←G-	←G-←G-←G-	G	G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
2 AND 5 CHANGE	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←Y-←Y-←Y-	←Y-←Y-←Y-	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
PHASE 2 AND 6	←R-←R-←R-	←R-←R-←R-	←R-	G	G	←R-←R-←R-	←R-←R-←R-	G	G	R	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW
PED CLEARANCE	←R-←R-←R-	←R-←R-←R-	←R-	G	G	←R-←R-←R-	←R-←R-←R-	G	G	R	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW
2 AND 6 CHANGE	←R-←R-←R-	←R-←R-←R-	←R-	Y	Y	←R-←R-←R-	←R-←R-←R-	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
PHASE 3	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←R-←R-←R-	←R-←R-←R-	R	R			G	R	R	R	R	DW	DW	DW	DW	DW
3 CHANGE	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←R-←R-←R-	←R-←R-←R-	R	R	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW
PHASE 4	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←R-←R-←R-	←R-←R-←R-	R	R	R	R	R			G	DW	DW	DW	DW	DW	DW
4 CHANGE	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←R-←R-←R-	←R-←R-←R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←R-←R-←R-	←R-←R-←R-	R	R	R	R	R			G	DW	DW	DW	DW	WK	WK
PED CLEARANCE	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←R-←R-←R-	←R-←R-←R-	R	R	R	R	R	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW
4 ALT CHANGE	←R-←R-←R-	←R-←R-←R-	←R-	R	R	←R-←R-←R-	←R-←R-←R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	←FL/R←FL/R←FL/R	←FL/R←FL/R←FL/R	←FL/R	FL/Y	FL/Y	←FL/R←FL/R←FL/R	←FL/R←FL/R←FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK



KEY

A.B.C. } 2 CONDUCTOR ELECTRICAL CABLE
D.E.F. } (NO. 14 A.W.G.)

H.J.K. } MICRO LOOP PROBE LEAD IN CABLE
L.M. }

N } INTERCONNECT CABLE
(REFER TO INTERCONNECT PLANS FOR
INSTALLATION DETAILS.)

G } 1 CONDUCTOR (NO. 6 A.W.G.)
STRANDED COPPER GROUND WIRE

ML } MICRO LOOP PROBE SET

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 40 (BALTIMORE NATIONAL PIKE) AND
INGLESIDE AVENUE
CATONSVILLE, MARYLAND

GENERAL INFORMATION PLAN

SCALE NONE ADVERTISED DATE 9/20/11 CONTRACT NO. BA8775177

DESIGNED BY K.J.S. COUNTY BALTIMORE
DRAWN BY H.W.C. LOGMILE 03004002.85
CHECKED BY T.A.R. TMS NO. K132
F.A.P. NO. TOD NO.

TS NO. 587 E DRAWING SP-2 OF SP-2 SHEET NO. 25 OF 36